

Title (en)  
CROSSLINKABLE VINYLIDENE FLUORIDE AND TRIFLUOROETHYLENE POLYMERS

Title (de)  
VERNETZBARE VINYLIDENFLUORID- UND TRIFLUORETHYLENHALTIGE POLYMERE

Title (fr)  
POLYMÈRES RÉTICULABLES DE FLUORURE DE VINYLIDÈNE ET DE TRIFLUOROÉTHYLÈNE

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Application  
**EP 12797911 A 20121206**

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Abstract (en)  
[origin: WO2013087500A1] The present invention pertains to semi-crystalline fluoropolymer [polymer (F)] comprising: - recurring units derived from vinylidene fluoride (VDF); - from 10% to 50% by moles [with respect to the total moles of recurring units of polymer (F)] of recurring units derived from trifluoroethylene (TrFE); and - from 0.01 % to 10% by moles [with respect to the total moles of recurring units of polymer (F)] of recurring units derived from at least one monomer comprising an azide group [monomer (Az)], to a process for its manufacture, to a crosslinkable composition comprising the same, to a process for crosslinking the same and to a method for manufacturing one of electrical and electronic devices using the same.

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Opponent : **Arkema France**  
• US 2002049343 A1 20020425 - HUNG MING-HONG [US]  
• US 2007166838 A1 20070719 - MARSMAN ALBERT W [NL], et al  
• WO 2009147030 A1 20091210 - SOLVAY SOLEXIS SPA [IT], et al  
• WO 2005064705 A1 20050714 - KONINKL PHILIPS ELECTRONICS NV [NL], et al  
• US 2010324222 A1 20101223 - HUNG MING-HONG [US], et al  
• US 2011135861 A1 20110609 - MANZARA ANTHONY P [US], et al  
• WO 2010021962 A2 20100225 - 3M INNOVATIVE PROPERTIES CO [US], et al  
• US 2011218305 A1 20110908 - HINTZER KLAUS [DE], et al

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